

Date: Wed, 24 Feb 93 11:10:14 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #251
To: Info-Hams

Info-Hams Digest Wed, 24 Feb 93 Volume 93 : Issue 251

Today's Topics:

1 Watt = ? dBm ?
Allison Peacock -- KD4NNH/AG
ARRL Election turnouts
Charge controller for deep cycle battery
Clinton's Cuts
E-SKIP DATA BASE/6&2 METERS
FORGET THE CW HELP BRUNO - GET A DICTIONARY INSTEAD!
ICOM IC-2SRA parts, where can I get them?
Kenwood TS-50
Market reef, OJ0 qrv agn!
Multiband multimode VHF rigs
NiCad or NiHydride AA 1.5v batteries
Old oil caps & PCBs?
packet/BBS addressing question
PK232 mods
Portable HF antennas...
QSL Help Please
Question about a crystal.
Soldering PL259's
Straight Keys

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 24 Feb 93 17:28:49 GMT
From: nih-csl!postman@uunet.uu.net
Subject: 1 Watt = ? dBm ?

^ ^
^ ^ - Then please improve your quality.

| | |
|------------------------------|-----------------------------|
| Ted Cline, NØRQV | VXI Systems Division |
| tcline@hplslx.lvld.hp.com | Hewlett-Packard, M/S CU-325 |
| ted_cline@hplsla.lvld.hp.com | 815 14th Street SW |
| VOICE: (303) 679-2352 | P.O. Box 301 |
| FAX: (303) 679-5971 | Loveland, CO 80537 USA |

Date: 24 Feb 93 16:35:53 GMT
From: news-mail-gateway@ucsd.edu
Subject: ARRL Election turnouts
To: info-hams@ucsd.edu

A recent ARRL bulletin gave the results of the Section Manager elections

IN THE IOWA SECTION

JACK DUNCAN, KØCNM, 331
JAMES LASLEY, NØJL, 209
DUNCAN WAS DECLARED ELECTED.

IN THE KENTUCKY SECTION

STEVE MORGAN, WB4NHØ, 493
CHARLES MCGINTY, WD4DLA, 123
MORGAN WAS DECLARED ELECTED.

IN THE MONTANA SECTION

DARRELL THOMAS, N7KØR, 155
ROBERT TELLER, AA7ØG, 115
THOMAS WAS DECLARED ELECTED.

IN THE WYOMING SECTION

WARREN MORTON, WS7W, 96
JOHN COCHRANE, WA7H, 78
MORTON WAS DECLARED ELECTED.

FIVE OTHER SECTIONS WERE NOT CONTESTED.
THE FOLLOWING WERE DECLARED ELECTED.

[deleted]

What sort of turnout is this? In terms of the ham population in each section? In terms of ARRL membership in each area?

Kevin Purcell N7WIM / G8UDP

a-kevinp@microsoft.com

"We conjure the spirits of the computer with our spells"

Date: 24 Feb 93 15:27:42 GMT

From: ogicse!emory!europa.eng.gtefsd.com!howland.reston.ans.net!

usenet.ins.cwru.edu!cleveland.Freenet.Edu!co128@network.UCSD.EDU

Subject: Charge controller for deep cycle battery

To: info-hams@ucsd.edu

I regulate my 1.5 amp panel with a 50 watt 13 volt zener diode.

The zener will get hot so use a heat sink.

--

JIM MARTIN

W8AC

co128@cleveland.freenet.edu

Date: Wed, 24 Feb 1993 09:05:06 GMT

From: nntp.telebit.com!phr@uunet.uu.net

Subject: Clinton's Cuts

To: info-hams@ucsd.edu

In article <C2x475.AwA@hpuerca.atl.hp.com> jab@hpuerca.atl.hp.com (Alan Barrow) writes:

I just want to know: How is the USG subsidizing the spectrum. They do not own it..... They do not have to replenish it (Add magnetic fields???)

The USG distributes monopolies on the use of particular frequencies in particular areas. The monopolies (broadcast licenses, cellphone spectrum, etc.) are worth money, as is shown by the fact that business resell the monopoly rights to each other. If the USG is charging less for the monopolies than the market shows they are worth, that is a subsidy.

Date: Wed, 24 Feb 1993 17:23:51 GMT

From: news.cerf.net!pagesat!ukma!news1.gsfc.nasa.gov!NewsWatcher!

user@network.UCSD.EDU

Subject: E-SKIP DATA BASE/6&2 METERS

To: info-hams@ucsd.edu

In article <RBOLT-220293155630@128.183.16.116>, RBOLT@postman.gsfc.nasa.gov

(Dick Bolt/ W1DGA) wrote:

>

> Have been keeping E-SKIP data base for 1973-1992 for VHF. Also have separated for 144Mc. only. Both combined is about 24 pgs. Will attempt to send ovr BB free if anyone has a need. DICK. This is on MAC now. W3ZZ has my data base converted to IBM also. Objective has narrowed down to looking 2 Meter E-SKIP predictions based on Solar Coronal hole crossings.

Date: Wed, 24 Feb 1993 00:07:56 GMT

From: agate!howland.reston.ans.net!paladin.american.edu!news.univie.ac.@"hp4at!mcsun!news.funet.fi!aton.abo.fi!usenet@ames.arpa

Subject: FORGET THE CW HELP BRUNO - GET A DICTIONARY INSTEAD!

To: info-hams@ucsd.edu

Reading the original article "FORGET THE CW HELP BRUNO - GET A DICTIONARY INSTEAD!" made my very angry. In my eyes I saw the twelve stars of the EC flag rotating with very high r.p.m. and came very close to posting a 99-LID- etc flame.

Well, some other om's have already posted enough reactions and the public reaction is pretty obvious. It should by now be clear to every one of us that misspelled English full of grammar errors is the most common language used to convey information. I don't , excuse me, do not even bother to consult my dictionary if I am sure I can still make myself clear.

I wonder how "Forget the Help..." om would do on (or is it "in"?) this side of the Atlantic reading bulletins from a packet BBS. One is bound to come across articles in English, French, German, Italian, Spanish, Swedish, Finnish etc etc. (last 100 in our BBS included all seven...). Many hams want to practice their language skills by writing a reply in the original language even if all they know is from high school years back in history. Those messages would not be graded A, but isn't ham radio also for self-improvement. Too bad stateside hams must work dx to get a chance to practise their language skills, especially since most linguistically handicapped people do live in that direction...

73 Mika

disclaimer: This posting is not a flame. If you got that feeling you did not get the message clear. Please read again...

and another: I speak for myself, not for the Turku School of Economics.

and some friendly advice from another OH-ham: "Double your disk space; delete Windows!"

Mika Suoranta, Leirikatu 11, FIN-20360 Turku, Finland, phone +358-21-382637
Turku School of Economics, Department of Economics, FIN-20500 Turku, Finland
Internet e-mail MSUORANTA@FINABO.ABO.FI Packet Radio OH1NZQ@OH1RBU.FIN.EU

Date: 24 Feb 93 01:09:27 EST
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!caen!
malgudi.oar.net!hyperion!desire.wright.edu!w0222@network.UCSD.EDU
Subject: ICOM IC-2SRA parts, where can I get them?
To: info-hams@ucsd.edu

Does anyone know of a good place for purchase of portable ham radio parts?
I looking for a place that does good mail order service. Are there 800 numbers available? I want various parts for my ICOM IC-2SRA. I looking for a replacement antenna (AH-20) and a sub-audible tone generator (UT-63). Any help would be appreciated. Thanks in advance.
jay

Date: 24 Feb 93 14:26:18 GMT
From: ogicse!uwm.edu!linac!att!cbnewsi!kaye@network.UCSD.EDU
Subject: Kenwood TS-50
To: info-hams@ucsd.edu

I got to crank some knobs on the new Kenwood TS-50 yesterday at Universal Radio Inc. Well, I must have tried all of the knobs because there are few of them. It's outward appearance isn't striking, but it seems to work well. The tuning rate is very nice. I was skeptical of the display, but it was readable at all of the mobile angles. I really wasn't expecting much when I read the ads. After seeing the rig I am reluctantly excited about it, because I'm a TEN-TEC fan. Universal is selling them for \$999.95. I am not associated

with Universal (only an occasional customer).

Kaye KD8EK

Date: 24 Feb 1993 08:37:12 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
newsserver.jvnc.net!gmd.de!Germany.EU.net!mcsun!news.funet.fi!butler.cc.tut.fi!
pk75978@network.UCSD.EDU
Subject: Market reef,OJ0 qrv agn!
To: info-hams@ucsd.edu

Just some more info abt OJ0/OH3AC:

The wx seems to be ok, no wind and temp -7 C so
they are supposed to get there ok today!

They have announced to use following frequencies:

CW: 1832, 3502, 3512, 7002, 7012, 10102, 10112, 14012, 18072, 21012, 24902 and
28012 kHz

SSB: 3685, 3790, 7072, 14172, 18122, 21272, 24932, 28372, 28472 kHz

RTTY freqs will be told on bands during pedition.

Unfortunately they don't seem to have 6m/2m/70cm with them.

This might be the last time to get OJ0 during this spring, at least
no rumours about any other pedition heard here in Finland. So GL if
You need it!

pete
oh3mep
--
oh3mep@cc.tut.fi
pk75978@ee.tut.fi
(oh3mep@oh3rce)

Date: Tue, 23 Feb 1993 20:16:57 GMT
From: sun-barr!cs.utexas.edu!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpl-opus!
hpnmdla!alanb@ames.arpa
Subject: Multiband multimode VHF rigs
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, bobw@col.hp.com (Bob Witte) writes:

> I am sure there are technical challenges in a multiband, no-modules required
> all mode VHF/UHF rig. But I think the real issue is market related.
> The equipment mfgs seem to be throwing their technology resources
> at building rigs for the FM operator.

I think you're right. The main technical problem to building an "all-band" VHF/UHF rig would be the transmitter power amplifier. (It's much harder to get that 50-500 MHz decade than 3-30 MHz.)

AL N1AL

Date: 24 Feb 93 08:53:09 GMT
From: ogicse!uwm.edu!cs.utexas.edu!milano!cactus.org!cheselka@network.UCSD.EDU
Subject: NiCad or NiHydride AA 1.5v batteries
To: info-hams@ucsd.edu

Who sells high capacity rechargables in the US? Can nickle-hydride batteries be recharged in nicad rechargers? I have noticed some nicads are 1.25 volt and others are 1.5 volt...I prefer 1.5 volt batteries.

Thanks For Any Info!

--
cheselka@cactus.org N5UVV Michael R. M. Cheselka
os9@gnu.ai.mit.edu Hangs out on 145.21mhz 400 W. 34th st. #103
os9@wixer.cactus.org Austin, TX 78705-1331
{...}!cs.utexas!cactus.org!cheselka (512)452-9412v (24hours answer. mach.)

Date: 24 Feb 93 15:52:21 GMT
From: ogicse!emory!europa.eng.gtefsd.com!howland.reston.ans.net!wupost!
crcnis1.unl.edu!msv@network.UCSD.EDU
Subject: Old oil caps & PCBs?
To: info-hams@ucsd.edu

Does anyone know if the older screw-mount oil caps (cylindar-shaped 4 inches or so tall maybe 1 1/2" in diameter) contain PCB oil, or is it some other kind?

Thanks!

Date: 24 Feb 93 13:41:10 GMT
From: agate!howland.reston.ans.net!usc!news.bbn.com!bbn.com!levin@ames.arpa
Subject: packet/BBS addressing question
To: info-hams@ucsd.edu

fiddler@concertina.Eng.Sun.COM (steve hix) writes:

|If I were to be set up for operating packet on 2m, and someone I
|wanted to communicate with was also set up for it...
|How do I get my message(s) from here to there? Do I have to
|determine a repeater path from here to there, or do I just send it
|into the ether (and hope)?

Depends on where the distance. You could connect directly to her
TNC, or via one or more digipeaters. You could connect to a packet
BBS and send mail to her mailbox on the same or another packet BBS.
Etc.

|A complete description of the process would be nice. A pointer to
|an ARRL (or other) publication would be OK. email is fine.

There are books on the subject, but I'd like to plug my favorite book
for getting introduced to any new ham operating topic, and that's the
ARRL OPERATING MANUAL (I think) . . . a large format paperback that,
like the ARRL ANTENNA BOOK, costs under \$20. Besides extensive
charts, maps and tables in the last chapter, it contains a chapter on
each of several operating modes or topics, and the chapter is an
excellent introduction. If you want to go further, then you can get
deeper book on a specific topic (or at least you'll know enough to be
able to ask intelligent questions on the net :-). Chapters I have
perused cover topics like packet, satellite, dx, contests and awards,
traffic handling, vhf/uhf, etc.

The chapter on packet, for instance, not only tells you the basics,
but gives information in detail about how to use the standard BBS and
DX cluster systems you might encounter.

/JBL

(Disclaimer: I'm a satisfied owner/reader/user of the book and nothing
else (well, I'm an ARRL member too).)

=

Nets: levin@bbn.com |
pots: (617)873-3463 |
N1MNF |

"I gotta go."
-- I. Shoales

Date: 24 Feb 93 14:45:45 GMT
From: ogicse!uwm.edu!caen!malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!
ag821@network.UCSD.EDU
Subject: PK232 mods
To: info-hams@ucsd.edu

I don't know who posted the original message about the
mods for the PK232 for RTTY and AMTOR, but really
want to thank the person.

The mods involve swapping out some resistors. The mod is
factory approved. If you write AEA, they will send you free
of charge (and right quick) the resistors, and a set of new
resistors in case you want to change back.

You lose HF packet and ASCII (I have tried both and don't
mind losing them one bit.. I find HF packed absolutely
worthless).

What you gain: well the reason I did the mod was I read a
review about how the mod made the 232 equal to some stand
alone RTTY and AMTOR machines. Well using is believing. I
worked the Spanish RTTY contest after I did the mods. The
conditions were real bad...noisy and weak signals. If the
signal is there, the 232 will get it out. I use to notice
that the light indicators would not be in the clear left/right
pattern for the mode under poor or even moderately poor
conditions. Now they are real clear.

After hearing about my experience, a friend, who has a much
older un-updated 232 did the mod. He reported the exact same
results.

The mod does not affect VHF packet..still works fine for me.

73s de Cookeville, TN
Jeff, AC4HF

--

Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

Date: Tue, 23 Feb 1993 20:23:32 GMT
From: saimiri.primite.wisc.edu!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpl-opus!
hpnmdla!alanb@ames.arpa
Subject: Portable HF antennas...

To: info-hams@ucsd.edu

In rec.radio.amateur.misc, plaws@uafhp.uark.edu (Peter Laws) writes:

> I need the simplest HF antenna that covers the most bands.

> Specifically 1) I would like it to cover 3 or more bands (*which* bands
>is not important). 2) It will *not* be used with a tuner 3) It must fit
>in a regular sized suitcase, along with my (new) IC725.

I know you say you don't want to use a tuner, but why not? You can build
a little L-network tuner using toroid inductors with switched taps in
a smaller space than the traps/loading coils you would need for the
multiband antenna.

AL N1AL

Date: 23 Feb 93 19:26:59 GMT
From: saimiri.primite.wisc.edu!caen!rphroy!kocrsv01!c22pmo@ames.arpa
Subject: QSL Help Please
To: info-hams@ucsd.edu

CT1DRE wants me to QSL direct, but I don't have access to
a Foreign Callbook, could someone help me out please?

Alsoe does anyone have QSL information for the following
V31RL (can't use ARRL Outgoing)
LY2ZZ
S57EK

with the final two, I haven't even been able to discover
which countries they represent; they are not on any of the
lists I have.

Thanks in advance,

Pete Olin WB8TIM
c22pmo@kocrsv01.delcoelect.com

Date: 24 Feb 93 17:30:04 GMT
From: ogicse!emory!swrinde!elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!
rkarlqu@network.UCSD.EDU
Subject: Question about a crystal.
To: info-hams@ucsd.edu

Kimball Ng (kn1@cunib.cc.columbia.edu) wrote:

:
: He needs two special crystals. He needs them quickly.
: Money is not the problem, but time is of the utmost urgency.
:
: Do you know anywhere which have FAST responses to these special
: crystals orders? (Less than 4 weeks?)
:
: 41.825 Mhz Third Overtone Crystal - in Package type XC49
: (XTAL1 - 41.825Mhz Third Overtone Crystal, XC49 or equivalent)
:
: 17.5083 Mhz, Parallel Mode Crystal - 32pF - in Package type XC49
: (XTAL2 - 17.5083 Mhz Parallel Mode Crystal, 32pF , XC49 or equivalent)
:
: Thanks in advance
: Kimball Ng

The following source routinely ships crystals in 1 week;
except if you're in a hurry, you can pay a premium and
get them within 48 hours. The crystal specs you listed above
are no problem for them, except the XC49 package. I don't
specifically know that they go that small.

Hy-Q Intl (USA)
1438 Cox Ave.
Erlanger, KY 41018
Phone: (606)-283-5000
FAX: (606)-283-0883
Pam Deshler, Sales Manager

On the other hand, Telequartz definitely makes HC49 size cases.
They also have SURFACE MOUNT crystal cases.
They also offer 48 hour, 1 week, 2 week, etc. service depending
on what you pay. They can be contacted at:

Telequartz USA
PO Box 240392
Charlotte, NC 28224-0392
Phone: (704)-553-0300
FAX: (704)-552-6004

[Disclaimer: I have no interest in the above companies except
as a satisfied customer]

Rick N6RK
rkarlqu@scd.hp.com

Date: Tue, 23 Feb 1993 20:10:49 GMT
From: usc!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpl-opus!hpnmdla!
alanb@network.UCSD.EDU
Subject: Soldering PL259's
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, Dennis_Birch@vos.stratus.com (Dennis Birch) writes:

>I just spent most of this weekend putting up a new antenna, and most of the
>time seemed to be in soldering connectors onto the cable. I was using
>PL259's, and Belden 9913, and if I applied heat long enough to flow solder
>into the holes and onto the shield, it also seemed to be enough to melt the
>core and cause shorts. I tried a regular soldering station, a 100 watt
>soldering gun and a propane torch. Does anybody have any hints on
>soldering these things reliably?

Here's how to make a reliable solid PL-259 solder job strong enough to support the weight of an N1AL (all 240 pounds of him!):

Purchase some good-quality PL-259 connectors. The cheap ones use thermoplastic for the insulation -- it melts at a lower temperature than the solder!

Before you start, first slip the PL-259 shell over the end of the coax.

Remove about 2 inches of outer insulation from the RG-8/RG213/etc. coax. Do not remove any braid at this time.

TIN THE BRAID. Coat it with a continuous, thin layer of solder. If you are using foam-type (ugh) coax, you will probably get some inner insulation bubbling through the braid. Let it cool and scrape the bubbles off with a knife, and then re-tin if necessary to get all the braid soldered.

Now cut off the end of the tinned insulation, leaving enough to mate inside the connector. Using a knife or tubing cutter, cut most of the way through the inner insulation, but be careful not to nick the center conductor. Twist off the braid/center insulation.

Now clean and tin the exposed center conductor.

If you have done a clean job of tinning, the coax will now screw into the PL-259. If you have left some "bumps" of solder on the braid, you may have to remove them with a file before insertion. If you have measured the length of exposed braid accurately, you will actually screw 1/8 inch or so of the outer insulation into the body.

Solder the center conductor.

Solder the braid through the holes in the PL-259 body. Some people recommend tinning the inside of the PL-259 prior to inserting the coax, but I have never found this necessary.

Clip off the excess center conductor and remove all the flux and crud from the center pin. That's it!

There are diagrams showing how to do this in the Transmitter chapter of the ARRL RFI book.

AL N1AL

Date: Wed, 24 Feb 1993 10:09:34 GMT
From: saimiri.primite.wisc.edu!sdd.hp.com!apollo.hp.com!hpwin052!hpqmoea!
dstock@ames.arpa
Subject: Straight Keys
To: info-hams@ucsd.edu

Robert Kent's straight keys are quite common in the UK, and well liked. They are usually sold in kit form. One colleague made a heavy steel base for his, rather than use the provided wooden one - it certainly feels different to the standard version, but which is better is a matter of personal preference. I'd expect these things to last for centuries!

You may not have seen the matching paddles, they're similarly engineered. They look heavy, but I find I can set mine as lightly as I wish. Another company has gone into competition with Kent in the Isambard-Kingdom-Brunel-would-have-designed-paddles-like-these market. The "Jones" paddles sport adjustable paddle spacing and height. (Should they be fitted with Jones plugs ? ;-))

The straight key kit is in the region of 50 pounds Sterling, so you'd be close to \$100 by the time you got one shipped across. I'm used to british goods being much cheaper in the US than in the UK :-(

Cheers

David

End of Info-Hams Digest V93 #251
